

## SEQUENCE LISTING

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<120> Prion Protein Ligands and Methods of Use

<130> 51821-295084 (51821-0101)

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<151> 2002-12-03

<160> 226

<170> PatentIn version 3.2

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Asp Trp Pro Glu Val Trp Ala

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Phe His Asp Phe Ser Glu Ala

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Asp Thr Phe Trp Asp Tyr Ala

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Trp Gln Asp  
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<400> 118

Trp Asp Asp  
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<210> 119  
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<400> 119

Trp Glu Asp  
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<210> 120  
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<400> 120

Ile Thr Asn  
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Tyr Glu Asp  
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<400> 122

Arg Val Ala Asp Glu Glu Ala  
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<400> 123

Glu Tyr Tyr Val Asp Ala Ala  
1 5

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<400> 124

Trp Gln Asp Phe Asn Leu Ala  
1 5

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Tyr Asp Asn Pro Ile Asp Ala  
1 5

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<400> 126

Tyr Phe Asn Glu His Glu Ala  
 1 5

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<400> 127

Glu Trp Gly Ala Asp Gly Ala  
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<400> 128

Asp Val Ile Tyr Ser His Ala  
 1 5

<210> 129  
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<220>  
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<400> 129

Trp His Ile Leu Glu Glu Ala  
1 5

<210> 130

<211> 7

<212> PRT

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<220>

<223> prion-binding ligand

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Asn Pro His Glu Asn Phe Ala  
1 5

<210> 131

<211> 7

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<220>

<223> prion-binding ligand

<400> 131

His Glu Asp Asn Gly Gly Ala  
1 5

<210> 132

<211> 7

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<223> prion-binding ligand

<400> 132

Ser Asp Ser Glu Gly Pro Ala  
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<210> 133

<211> 7

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<220>

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<400> 133

Glu Phe Gln Glu Phe Thr Ala  
1 5

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<211> 7

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<223> prion-binding ligand

<400> 134

Gln Glu Gly Asp Glu Ile Ala  
1 5

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<400> 135

Asp Ile Tyr Ala Glu Thr Ala  
1 5

<210> 136

<211> 7

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<400> 136

Asp Arg Val Arg Glu Thr Ala  
1 5

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<400> 137

Phe Glu Glu Pro Gln Trp Ala  
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<210> 138  
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<400> 138

Phe Glu Gly Glu Glu Phe Ala  
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Xaa Phe Asn Ile His Ala  
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<400> 140

Tyr Asp Trp  
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<210> 141  
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<400> 141

Asn Tyr Thr  
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<210> 142  
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<400> 142

Ser Tyr Thr  
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<220>  
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<400> 143



Trp Ala Asp

1

<210> 144

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> prion-binding ligand

<400> 144

Gln Trp Gly

1

<210> 145

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> prion-binding ligand

<400> 145

Trp Gly Asp

1

<210> 146

<211> 3

<212> PRT

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<220>

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<400> 146

Glu Tyr Phe

1

<210> 147

<211> 3

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Trp Glu His  
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<400> 148

Leu Tyr Asp  
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<400> 149

Asp Tyr Tyr  
1

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Phe Tyr Glu  
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<400> 151

Glu Tyr Tyr  
1

<210> 152  
<211> 3  
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<400> 152

Tyr Asp Tyr  
1

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Trp Asp His  
1

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<223> prion-binding ligand

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<400> 154

Arg Glu Ser Xaa Asn Val Ala  
1 5

<210> 155  
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<220>  
<223> prion-binding ligand

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> Xaa at position 3 is 2-naphthyl-alanine

<400> 155

Glu Ser Xaa Pro Arg Gln Ala  
1 5

<210> 156  
<211> 7  
<212> PRT  
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<220>  
<223> prion-binding ligand

<400> 156

Val Ala Arg Glu Asn Ile Ala  
1 5

<210> 157  
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<220>

<223> prion-binding ligand

<400> 157

Arg Trp Glu Arg Glu Asp Ala  
1 5

<210> 158

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> prion-binding ligand

<400> 158

Glu Trp Trp Glu Thr Val  
1 5

<210> 159

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> prion-binding ligand

<400> 159

Ser Val Tyr Gln Leu Asp Ala  
1 5

<210> 160

<211> 7

<212> PRT

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<223> prion-binding ligand

<220>

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<222> (1)..(1)

<223> Xaa at position 1 is 2-naphthyl-alanine

<400> 160

Xaa His Glu Phe Tyr Gly Ala  
1 5

<210> 161  
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<223> Xaa at position 4 is 2-naphthyl-alanine

<400> 161

His Glu Xaa Xaa Leu Val Ala  
1 5

<210> 162  
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<223> Xaa at position 2 is 2-naphthyl-alanine

<220>  
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<222> (6)..(6)  
<223> Xaa at position 6 is 2-naphthyl-alanine

<400> 162

Ala Xaa Val Pro Val Xaa Ala  
1 5

<210> 163  
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<400> 163

Tyr Phe Asp Tyr Trp Leu Ala  
1 5

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<222> (3)..(3)  
<223> Xaa at position 3 is 2-naphthyl-alanine

<400> 164

Phe Glu Xaa His Arg Gln Ala  
1 5

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<400> 165

Trp Arg His Glu Pro Ala Ala  
1 5

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<400> 166

Ser Ser Xaa Lys Lys Asp Ala  
 1 5

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 <222> (2)..(2)  
 <223> Xaa at position 2 is 2-naphthyl-alanine

<400> 167

Arg Xaa Asp Lys Glu Ala Ala  
 1 5

<210> 168  
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<221> MISC\_FEATURE  
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<400> 168

Xaa His Glu Ile Phe Pro Ala  
1 5

<210> 169  
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<220>  
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<400> 169

Lys Trp Tyr His His Arg Ala  
1 5

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<211> 7  
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<400> 170

His Trp Trp Pro His Asn Ala  
1 5

<210> 171  
<211> 7  
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<400> 171

His Trp Gln Val Phe Tyr Ala  
1 5

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<220>  
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<222> (4)..(4)  
<223> Xaa at position 4 is 2-naphthyl-alanine

<400> 172

Phe His Glu Xaa Glu Ile Ala  
1 5

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<223> Xaa at position 5 is 2-naphthyl-alanine

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His Ala Asp Phe Xaa Gln Ala  
1 5

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<400> 174

Ala Leu His Phe Glu Thr Ala  
1 5

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<400> 175

Asp Asp Pro Thr Gly Phe Ala  
1 5

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<400> 176

Val Ala Pro Gly Leu Gly Ala  
1 5

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Ile Phe Arg Leu Ile Glu Ala  
1 5

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Gly Leu Glu Arg Pro Glu Ala  
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Ile Val Val Arg Leu Trp Ala  
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Trp His Asn Pro His Tyr Ala  
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Leu Ile Tyr Lys Ser Asp Ala  
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<400> 182

Glu Lys Pro Ile Phe Asn Ala  
1 5

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His Trp Ser Glu Pro Ala Ala  
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Gly His Asn Trp Lys Glu Ala  
1 5

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<400> 185

Tyr Trp His His Asp Asp Ala  
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Gly Tyr Pro Lys Glu Asn Ala  
1 5

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<400> 187

Pro Val Tyr Trp Leu Tyr Ala  
1 5

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Phe Gly Glu His Thr Pro Ala  
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Phe Gln Gly Thr Arg Glu Ala  
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Thr Gly Thr Asn Arg Tyr Ala  
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Lys Trp Ala Thr Arg Tyr Ala  
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Asn Ser Thr Lys Phe Asp Ala  
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<400> 193

Leu Ile Tyr Lys Glu Glu Ala  
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<400> 194

Glu His Ala Thr Tyr Arg Ala  
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<400> 195

His Asn Asp  
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<400> 196

His Glu Arg

1

<210> 197

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His Gly Asp

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His Ser Asp

1

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His Phe Asp

1

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Trp Asn Asp

1

<210> 201

<211> 3

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<400> 201

Tyr Glu His

1

<210> 202

<211> 3

<212> PRT

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<400> 202

His Trp Asp

1

<210> 203

<211> 3

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<400> 203

Tyr His Asp

1

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Tyr Asp Trp  
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Trp Asp Tyr  
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His Tyr Asp  
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His Trp Asp  
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<400> 208

Trp Thr Asp  
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Phe Pro Lys  
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His Trp Lys  
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Trp Glu Glu  
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<400> 212

Leu Leu Arg  
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<400> 213

Ser Tyr Phe  
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<400> 214

Glu Tyr Tyr

1

<210> 215  
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<400> 215

Asp Arg Asp Leu Thr Phe Ala  
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<210> 216  
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<400> 216

His Asn Trp Trp Ile Ile Ala  
 1 5

<210> 217  
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<400> 217

Glu Val Lys Ile Gly Asn Ala  
 1 5

<210> 218  
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<223> prion-binding ligand

<400> 218

Ser Ile Val

1

<210> 219

<211> 3

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<223> prion-binding ligand

<400> 219

Ala Tyr Pro

1

<210> 220

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> prion-binding ligand

<400> 220

Pro His Gly Gly Gly Trp Gly Gln

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5

<210> 221

<211> 5

<212> PRT

<213> prion sp.

<220>

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<222> (4)..(4)

<223> Xaa at position 4 is Gly, Pro or Asn

<400> 221

Arg Tyr Pro Xaa Gln

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5

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 <213> prion sp.

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<220>  
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 <222> (2)..(2)  
 <223> Xaa at position 2 is any amino acid

<220>  
 <221> MISC\_FEATURE  
 <222> (5)..(5)  
 <223> Xaa at position 5 is Arg or Gln

<220>  
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 <222> (6)..(6)  
 <223> Xaa at position 6 is any amino acid

<400> 222

Xaa Xaa Tyr Tyr Xaa Xaa  
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<210> 223  
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<220>  
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 <222> (1)..(1)  
 <223> Xaa at position 1 is Phe, Trp, or Tyr

<220>  
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<223> Xaa at position 2 is any amino acid

<220>

<221> MISC\_FEATURE

<222> (3)..(3)

<223> Xaa at position 3 is Asp or Glu

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> Xaa at position 4 is Phe, Trp, or Tyr

<400> 223

Xaa Xaa Xaa Xaa

1

<210> 224

<211> 4

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<222> (1)..(1)

<223> Xaa at position 1 is Phe, Trp or Tyr

<220>

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<222> (2)..(2)

<223> Xaa at position 2 is Asp or Glu

<220>

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<222> (3)..(3)

<223> Xaa at position 3 is any amino acid

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<222> (4)..(4)

<223> Xaa at position 4 is Phe, Trp or Tyr

<400> 224

Xaa Xaa Xaa Xaa

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<212> PRT  
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Trp Phe Val Glu Ala  
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<400> 226

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